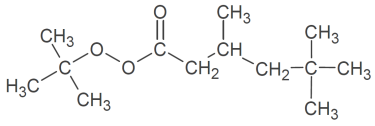
PEROXAN PIN-30

Peroxyester / Polymerization

Description

tert-Butyl peroxy-3,5,5-trimethylhexanoate
30%, Solution in odorless white spirits

PEROXAN PIN-30 is used for the (co)polymerization of ethylene.



Molecular weight:	**230.3**
CAS No.:	**13122-18-4**

Technical data

Appearance:	**clear liquid**
Peroxide assay:	**appx. 30%**
Active oxygen assay:	**appx. 2.08%**
Density at 20°C:	**0.8 g/cm³**

Half life time

in chlorobenzene:

$t_{½}$	10h	1h	1min
bei	**94°C**	**114°C**	**154°C**

Storage

Maximum storage temperature (Ts max):	**30°C**
Storage stability as from date of delivery:	**6 months**

Hazardous reactions

Organic Peroxides are more or less stable products but will decompose under the influence of heat. To minimize a loss of quality during storage, it is important that the recommended maximum storage temperature is not exceeded. If a minimum storage temperature is given, an undesirable process such as a solidification or phase separation, is known to occur below this temperature.

Safety characteristics

SADT: 60°C SADT in IBC: 60°C

The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.

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Application	Polymerization of ethylene: PEROXAN PIN-30 is used for high pressure polymerization of ethylene in both autoclave and tubular processes, usually in combination with other peroxides of varying degrees of activity. Temperature range: 210 to 240°C Light-off temperature at 2300 bar: 220°C
Packaging	**25kg container** **900kg IBC** Bulk delivery of PEROXAN PIN-30 in a 1,25 mÂ³ stainless steel intermediate bulk container (IBC) is possible in a number of countries.
Major decomposition products	**2-tert.-Butyloxy-2,4,4-trimethylpentane, Acetone, Carbon dioxide, Methane, tert-Butanol**
Safety and handling	Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN PIN-30. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at **www.pergan.com** or through contacting Pergan directly.

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